

ABSTRACT OF THE DISCLOSURE

A scanning unit for a position measuring instrument for optical scanning of a measuring graduation. The scanning unit includes a light source that emits light in a direction towards a measuring graduation that generates modified light from the emitted light. A detector that receives the modified light. A lens array, disposed upstream of the detector and including a plurality of optical lenses, that generates a defined image of a region of the measuring graduation, scanned by the emitted light, on the detector, wherein an image magnification of the lens array is greater than 0 and less than or equal to 2.